

Double-Row Cylindrical Roller Bearings

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Bearing Numbers ⁽¹⁾	Boundary Dimensions (mm)				Basic Load Ratings (kN)		Circumscribed diameter of roller (mm)(reference) (Inscribed circle diameter in the case of NNU type)	Mass (kg) (approx.)	Limiting Speeds (min ⁻¹)		NSKHPS
	<i>d</i>	<i>D</i>	<i>B</i>	<i>r</i> (min.)	<i>C_r</i> (Dynamic)	<i>C_{0r}</i> (Static)			Grease	Oil	
NN3005MBKR	25	47	16	0.6	25.8	30	41.3	0.121	20900	25000	
NN3006MBKR	30	55	19	1	31	37	48.5	0.186	17700	21200	
NN3006TBKR	30	55	19	1	31	37	48.5	0.171	20000	23600	
NN3006ZTBKR	30	55	19	1	18.3	18.6	48.5	0.152	21000	27900	
NN3007MBKR	35	62	20	1	39.5	50	55	0.297	15500	18600	
NN3007TBKR	35	62	20	1	39.5	50	55	0.227	17600	20700	
NN3007ZTBKR	35	62	20	1	23.3	25	55	0.198	18400	24500	
NN3008MBKR	40	68	21	1	43.5	55.5	61	0.356	13900	16700	
NN3008TBKR	40	68	21	1	43.5	55.5	61	0.269	15800	18600	
NN3008ZTBKR	40	68	21	1	25.7	27.7	61	0.234	16600	22000	
NN3009MBKR	45	75	23	1	52	68.5	67.5	0.471	12500	15000	
NN3009TBKR	45	75	23	1	50	65.5	67.5	0.348	14200	16700	
NN3009ZTBKR	45	75	23	1	29.7	32.5	67.5	0.302	14900	19800	
NN3010MBKR	50	80	23	1	53	72.5	72.5	0.502	11600	13900	
NN3010TBKR	50	80	23	1	53	72.5	72.5	0.378	13100	15400	
NN3010ZTBKR	50	80	23	1	31.5	36.5	72.5	0.328	13800	18300	
NN3011MBKR	55	90	26	1.1	69.5	96.5	81	0.748	10400	12500	
NN3011TBKR	55	90	26	1.1	69.5	96.5	81	0.562	11800	13800	
NN3011ZTBKR	55	90	26	1.1	41	48.5	81	0.488	12400	16400	
NN3012MBKR	60	95	26	1.1	73.5	106	86.1	0.804	9700	11700	
NN3012TBKR	60	95	26	1.1	73.5	106	86.1	0.602	11000	13000	
NN3012ZTBKR	60	95	26	1.1	43.5	53	86.1	0.522	11600	15400	
NN3013MBKR	65	100	26	1.1	77	116	91	0.862	9100	11000	
NN3013TBKR	65	100	26	1.1	77	116	91	0.644	10400	12200	
NN3013ZTBKR	65	100	26	1.1	46	58	91	0.557	10900	14500	
NN3014MBKR	70	110	30	1.1	97.5	148	100	1.23	8000	10000	
NN3014TBKR	70	110	30	1.1	97.5	148	100	0.925	9500	11200	
NN3014ZTBKR	70	110	30	1.1	58	74	100	0.809	9900	13200	
NN3015MBKR	75	115	30	1.1	96.5	149	105	1.28	7900	9500	
NN3015TBKR	75	115	30	1.1	96.5	149	105	0.964	9000	10600	
NN3015ZTBKR	75	115	30	1.1	57.5	74.5	105	0.848	9400	12500	
NN3016MBKR	80	125	34	1.1	119	186	113	1.77	7400	8800	

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	d	D	B	r (min.)	C _r (Dynamic)	C _{0r} (Static)			Grease	Oil	
NN3016TBKR	80	125	34	1.1	119	186	113	1.35	8300	9800	
NN3016ZTBKR	80	125	34	1.1	71	93	113	1.19	8800	11700	
NN3017MBKR	85	130	34	1.1	125	201	118	1.87	7000	8400	
NN3017TBKR	85	130	34	1.1	125	201	118	1.42	8000	9400	
NN3017ZTBKR	85	130	34	1.1	74.5	101	118	1.25	8400	11100	
NN3018MBKR	90	140	37	1.5	143	228	127	2.38	6600	7900	
NN3018TBKR	90	140	37	1.5	143	228	127	1.82	7400	8700	
NN3018ZTBKR	90	140	37	1.5	85	114	127	1.61	7800	10300	
NN3019MBKR	95	145	37	1.5	150	246	132	2.51	6300	7500	
NN3019TBKR	95	145	37	1.5	150	246	132	1.91	7100	8400	
NN3019ZTBKR	95	145	37	1.5	89	123	132	1.68	7500	9900	
NN3920MBKR	100	140	30	1.1	106	182	130	1.32	6300	7500	
NN4920MBKR	100	140	40	1.1	155	295	130	1.76	6300	7500	
NNU4920MBKR	100	140	40	1.1	155	295	112	1.75	6300	7500	
NN3020MBKR	100	150	37	1.5	157	265	137	2.63	6000	7200	
NN3020TBKR	100	150	37	1.5	157	265	137	2	6800	8000	
NN3020ZTBKR	100	150	37	1.5	93.5	133	137	1.76	7200	9500	
NN3921MBKR	105	145	30	1.1	110	194	135	1.5	6000	7200	
NN4921MBKR	105	145	40	1.1	161	315	135	1.91	6000	7200	
NNU4921MBKR	105	145	40	1.1	161	315	117	1.83	6000	7200	
NN3021MBKR	105	160	41	2	198	320	146	3.4	5700	6800	
NN3021TBKR	105	160	41	2	198	320	146	2.52	6500	7600	
NN3021ZTBKR	105	160	41	2	118	161	146	2.17	6800	9000	
NN3922MBKR	110	150	30	1.1	114	207	140	1.44	5800	7000	
NN4922MBKR	110	150	40	1.1	167	335	140	1.92	5800	7000	
NNU4922MBKR	110	150	40	1.1	167	335	122	1.9	5800	7000	
NN3022MBKR	110	170	45	2	229	375	155	4.35	5400	6500	
NN3022TBKR	110	170	45	2	229	375	155	3.21	6100	7200	
NN3022ZTBKR	110	170	45	2	136	188	155	2.78	6400	8500	
NN3924MBKR	120	165	34	1.1	138	251	153.5	2.02	5300	6400	
NN4924MBKR	120	165	45	1.1	183	360	153.5	2.62	5300	6400	

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	d	D	B	r (min.)	C _r (Dynamic)	C _{0r} (Static)			Grease	Oil	
NNU4924MBKR	120	165	45	1.1	183	360	133.5	2.59	5300	6400	
NN3024MBKR	120	180	46	2	239	405	165	4.72	5000	6000	
NN3024TBKR	120	180	46	2	239	405	165	3.5	5700	6700	
NN3024ZTBKR	120	180	46	2	142	203	165	3.03	6000	7900	
NN3926MBKR	130	180	37	1.5	173	325	167	2.64	4900	5900	
NN4926MBKR	130	180	50	1.5	274	545	168	3.51	4900	5900	
NNU4926MBKR	130	180	50	1.5	274	545	144	3.48	4900	5900	
NN3026MBKR	130	200	52	2	284	475	182	5.53	4600	5500	
NN3026TBKR	130	200	52	2	284	475	182	5.1	5200	6100	
NN3026ZTBKR	130	200	52	2	169	238	182	4.46	5500	7200	
NN3928MBKR	140	190	37	1.5	201	375	178	2.79	4600	5500	
NN4928MBKR	140	190	50	1.5	283	585	178	3.73	4600	5500	
NNU4928MBKR	140	190	50	1.5	283	585	154	3.7	4600	5500	
NN3028MBKR	140	210	53	2	298	515	192	5.95	4300	5200	
NN3028TBKR	140	210	53	2	298	515	192	5.51	4900	5700	
NN3028ZTBKR	140	210	53	2	177	258	192	4.81	5200	6800	
NN3930MBKR	150	210	45	2	262	490	195	4.47	4200	5000	
NN4930MBKR	150	210	60	2	350	715	195	5.79	4200	5000	
NNU4930MBKR	150	210	60	2	350	715	167	5.85	4200	5000	
NN3030MBKR	150	225	56	2.1	335	585	206	7.29	4000	4800	
NN3030TBKR	150	225	56	2.1	335	585	206	6.7	4500	5300	
NN3030ZTBKR	150	225	56	2.1	199	294	206	5.87	4800	6300	
NN3932MBKR	160	220	45	2	271	520	205	4.72	4000	4800	
NN4932MBKR	160	220	60	2	365	760	205	6.19	4000	4800	
NNU4932MBKR	160	220	60	2	365	760	177	6.18	4000	4800	
NN3032MBKR	160	240	60	2.1	375	660	219	8.83	3800	4500	
NN3032TBKR	160	240	60	2.1	375	660	219	8.18	4300	5000	
NN3032ZTBKR	160	240	60	2.1	222	330	219	7.2	4500	6000	
NN3934MBKR	170	230	45	2	280	550	215	5.01	3800	4500	
NN4934MBKR	170	230	60	2	375	805	215	6.42	3800	4500	

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	d	D	B	r (min.)	C _r (Dynamic)	C _{0r} (Static)			Grease	Oil	
NNU4934MBKR	170	230	60	2	375	805	187	6.5	3800	4500	
NN3034MBKR	170	260	67	2.1	450	805	236	12.1	3500	4200	
NN3936MBKR	180	250	52	2	340	655	232	7.2	3500	4200	
NN4936MBKR	180	250	69	2	480	1020	232	9.47	3500	4200	
NNU4936MBKR	180	250	69	2	480	1020	200	9.55	3500	4200	
NN3036MBKR	180	280	74	2.1	565	995	255	15.7	3300	4000	
NN3938MBKR	190	260	52	2	345	680	243.5	7.57	3400	4000	
NN4938MBKR	190	260	69	2	485	1060	243.5	9.72	3400	4000	
NNU4938MBKR	190	260	69	2	485	1060	211.5	9.91	3400	4000	
NN3038MBKR	190	290	75	2.1	595	1080	265	16.7	3200	3800	
NN3940MBKR	200	280	60	2.1	420	815	259	10.6	3200	3800	
NN4940MBKR	200	280	80	2.1	570	1220	259	14	3200	3800	
NNU4940MBKR	200	280	80	2.1	570	1220	223	14	3200	3800	
NN3040MBKR	200	310	82	2.1	655	1170	282	21.3	3000	3600	
NN3944MBKR	220	300	60	2.1	440	895	279	11.5	2500	3100	
NN4944MBKR	220	300	80	2.1	600	1330	279	15.1	2500	3100	
NN3044MBKR	220	340	90	3	815	1480	310	27.7	2400	2900	
NN3948MBKR	240	320	60	2.1	460	975	300	12.3	2400	2900	
NN4948MBKR	240	320	80	2.1	625	1450	300	17.8	2400	2900	
NNU4948MBKR	240	320	80	2.1	625	1450	263	16.2	2400	2900	
NN3048MBKR	240	360	92	3	855	1600	330	30.4	2200	2700	
NN3952MBKR	260	360	75	2.1	670	1380	335	21.4	2100	2600	
NN4952KR	260	360	100	2.1	935	2100	335	28.4	2100	2600	
NNU4952KR	260	360	100	2.1	935	2100	289	28.3	2100	2600	
NN3052KR	260	400	104	4	1030	1920	364	44.7	2000	2500	
NN3956MBKR	280	380	75	2.1	695	1460	355	22.8	2000	2500	
NN4956KR	280	380	100	2.1	960	2230	355	30.1	2000	2500	
NNU4956KR	280	380	100	2.1	960	2230	309	33.1	2000	2500	
NN3056KR	280	420	106	4	1080	2080	384	47.7	1900	2300	
NN3960KR	300	420	90	3	855	1800	388	36.2	1800	2300	
NN4960KR	300	420	118	3	1230	2870	388	47.6	1800	2300	

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	d	D	B	r (min.)	C _r (Dynamic)	C _{0r} (Static)			Grease	Oil	
NNU4960KR	300	420	118	3	1230	2870	336	47.6	1800	2300	
NN3060KR	300	460	118	4	1290	2460	418	66.5	1800	2100	
NN3964KR	320	440	90	3	880	1910	408	38.2	1800	2100	
NN4964KR	320	440	118	3	1260	3050	408	50.3	1800	2100	
NNU4964KR	320	440	118	3	1260	3050	356	50.3	1800	2100	
NN3064KR	320	480	121	4	1350	2670	438	71.8	1700	2000	
NN4968KR	340	460	118	3	1350	3400	428	52.6	1700	2000	
NNU4968KR	340	460	118	3	1350	3400	376	52.9	1700	2000	
NN3068KR	340	520	133	5	1670	3300	473	95.6	1600	1900	
NN3972KR	360	480	90	3	930	2130	448	42.1	1600	1900	
NN4972KR	360	480	118	3	1390	3550	448	55.1	1600	1900	
NNU4972KR	360	480	118	3	1390	3550	396	55.2	1600	1900	
NN3072KR	360	540	134	5	1700	3450	493	99.7	1500	1800	
NN3976KR	380	520	106	4	1250	2730	484	63.5	1500	1800	
NN4976KR	380	520	140	4	1880	4600	485	81.3	1500	1800	
NNU4976KR	380	520	140	4	1880	4600	421	88.8	1500	1800	
NN3076KR	380	560	135	5	1770	3700	513	113	1400	1700	
NN4980KR	400	540	140	4	1940	4900	505	84.1	1400	1700	
NNU4980KR	400	540	140	4	1940	4900	441	85.1	1400	1700	
NN3080KR	400	600	148	5	2090	4300	548	138	1300	1600	
NN4984K	420	560	140	4	2000	5150	525	87.9	1200	1500	
NNU4984K	420	560	140	4	2000	5150	461	88.4	1200	1500	
NN3084K	420	620	150	5	2130	4450	568	145	1100	1400	
NN4988K	440	600	160	4	2370	6000	559	123	1100	1400	
NNU4988K	440	600	160	4	2370	6000	487	123	1100	1400	
NN3088K	440	650	157	6	2360	4900	596	166	1100	1300	
NN3992K	460	620	118	4	1610	3700	578	94.5	1100	1300	
NN4992K	460	620	160	4	2400	6200	579	127	1100	1300	
NNU4992K	460	620	160	4	2400	6200	507	128	1100	1300	
NN3092K	460	680	163	6	2550	5350	623	189	1000	1300	
NN4996K	480	650	170	5	2690	7000	607	151	1000	1300	
NNU4996K	480	650	170	5	2690	7000	531	150	1000	1300	
NN3096K	480	700	165	6	2600	5550	643	211	1000	1200	
NN49/500K	500	670	170	5	2720	7200	627	155	1000	1200	
NNU49/500K	500	670	170	5	2720	7200	551	157	1000	1200	
NN30/500K	500	720	167	6	2580	5600	663	205	900	1200	
NN39/530K	530	710	136	5	2040	4900	663	139	900	1200	
NN49/530K	530	710	180	5	3050	8150	664	185	900	1200	
NNU49/530K	530	710	180	5	3050	8150	584	186	900	1200	
NN30/530K	530	780	185	6	3200	6900	715	280	900	1100	
NN49/560K	560	750	190	5	3250	8700	701	218	900	1100	
NNU49/560K	560	750	190	5	3250	8700	617	230	900	1100	
NN49/600K	600	800	200	5	3850	10500	749	273	800	1000	
NNU49/600K	600	800	200	5	3850	10500	659	284	800	1000	

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	<i>d</i>	<i>D</i>	<i>B</i>	<i>r</i> (min.)	<i>C_r</i> (Dynamic)	<i>C_{0r}</i> (Static)			Grease	Oil	
NN49/630K	630	850	218	6	4200	11400	793	328	800	1000	
NNU49/630K	630	850	218	6	4200	11400	697	328	800	1000	
NN49/670K	670	900	230	6	4150	11500	838	419	700	900	
NNU49/670K	670	900	230	6	4150	11500	742	381	700	900	
NNU49/750K	750	1000	250	6	5500	15900	826	530	700	800	
NNU49/800K	800	1060	258	6	5700	16500	879	573	600	800	